

Applic. No. 10/603,962

Amdt. dated September 19, 2005

Reply to Office action of May 18, 2005

Claim Amendments

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (previously presented): An aerodynamic profile, comprising;

a first zone on a front surface of said profile, wherein said first zone is inclined at a positive angle to generate lift;

a second zone on a rear surface adjacent said front surface, wherein said second zone is faired and streamlined, formed by two surfaces and hollow, which does not generate lift; and

wherein said profile reduces drag and substantially reduces separation of the boundary layer.

Claim 2 (original): An aerodynamic profile according to claim 1, wherein said second zone has two convex surfaces.

Claim 3 (original): An aerodynamic profile according to claim 1, wherein said second zone to said first zone has a flat lower surface that is rigid, and a curved upper surface.

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Claim 4 (original): An aerodynamic profile according to claim 1, wherein a periphery of said first zone includes a small projecting flange.

Claim 5 (Cancelled).

Claim 6 (original): An aerodynamic profile according to claim 1, wherein said profile is arranged longitudinally.

Claim 7 (original): An aerodynamic profile according to claim 1, wherein said profile is arranged at an incline.

Claim 8 (original): An aerodynamic profile according to claim 1, wherein said second zone is rigid.

Claim 9 (original): An aerodynamic profile according to claim 1, wherein said second zone is flexible.

Claim 10 (Cancelled).

Claim 11 (original): An aerodynamic profile according to claim 1, wherein said second zone is at least partially free and rotary.

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Claim 12 (original): An aerodynamic profile according to claim 11, wherein said second zone is driven by a ram.

Claim 13 (original): An aerodynamic profile according to claim 1, wherein said first zone is flat

Claim 14 (original): An aerodynamic profile according to claim 1, wherein said first zone is curve.

Claim 15 (original): An aerodynamic profile according to claim 1, wherein an upper zone of the nose or leading edge is curved.

Claim 16 (original): An aerodynamic profile according to claim 1, wherein an upper zone of the nose or leading edge is rounded.

Claim 17 (original): An aerodynamic profile according to claim 1, wherein said first zone is circular.

Claim 18 (original): An aerodynamic profile according to claim 1, wherein said first zone is oval.

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Claim 19 (previously presented): An aerodynamic profile according to claim 1, wherein said first zone is rectangular with rounded corners.

Claim 20 (currently amended): An aerodynamic profile assembly comprising:

~~at least two~~ wings each having:

a respective front surface being inclined at a positive angle for generating lift; and

a respective rear portion connected to said front surface and having at least two surfaces, said respective rear portion being streamlined for preventing a generation of lift, preventing drag, and substantially reducing separation of a boundary layer.